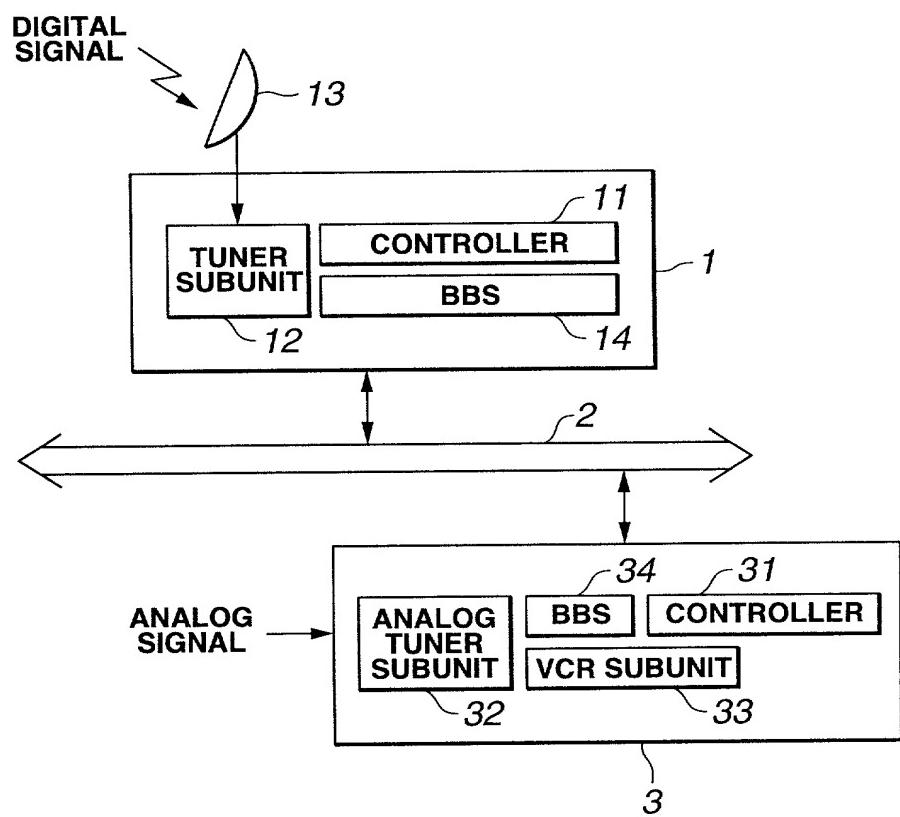


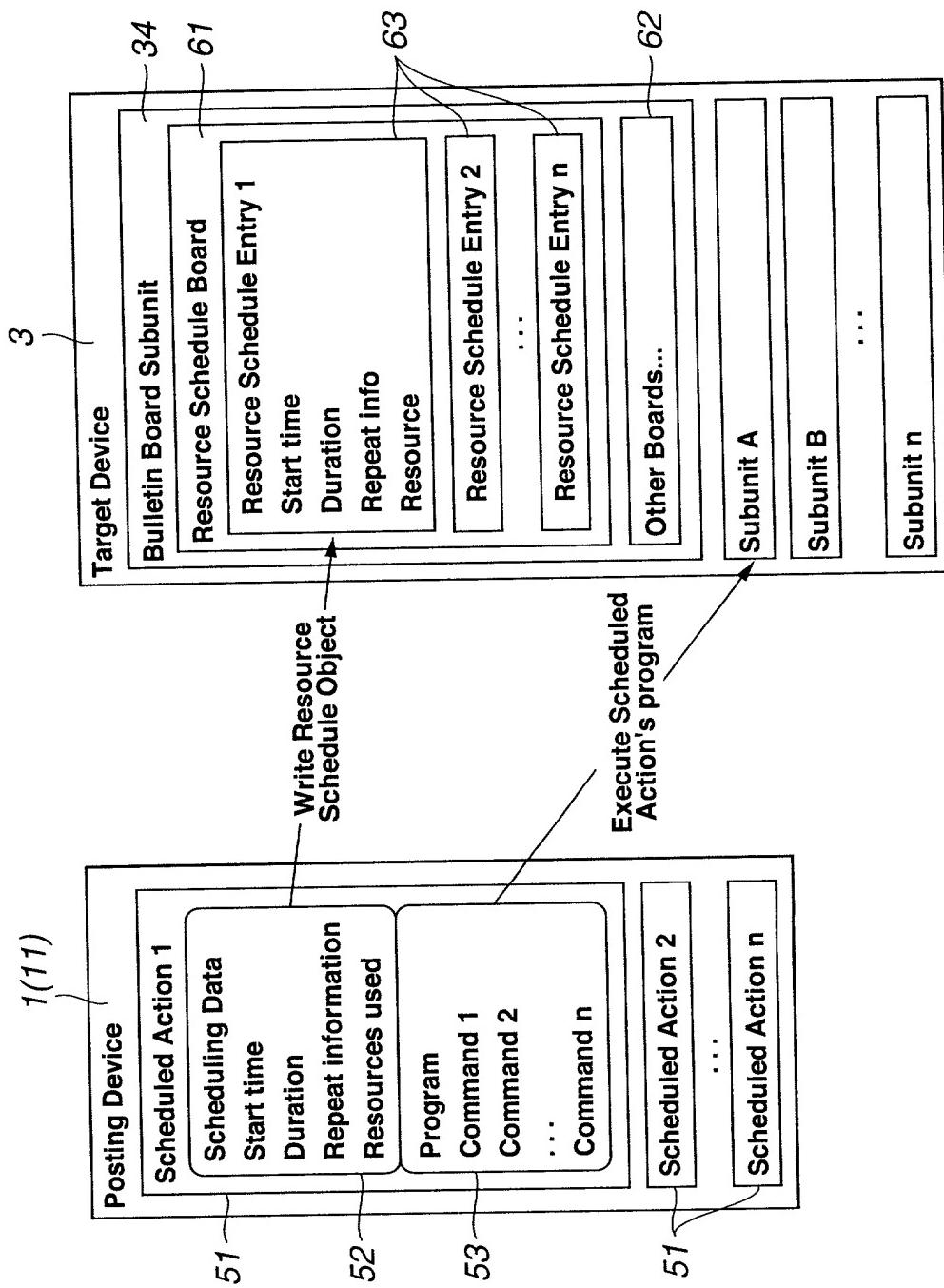
**FIG.1**

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**FIG.2**

# FIG.3



descriptor_length
list_type
attributes
size_of_list_specific_information
list_specific_informaton
Write_Enabled
non_info_block_fields_length
board_type
object_list_maximum_size
object_entries_maximum_number
object_entry_maximum_size
board_type_dependent_info_length
board_type_dependent_info
optional blocks for future expansion
number_of_entries(n)
object_entry
descriptor_length
entry_type
attributes
object_ID
posting_device_GUID
record_ID
size_of_entry_specific_information
Resource Schedule Entry
...
object_entry[n-1]
descriptor_length
entry_type
attributes
object_ID
posting_device_GUID
record_ID
size_of_entry_specific_information
Resource Schedule Entry

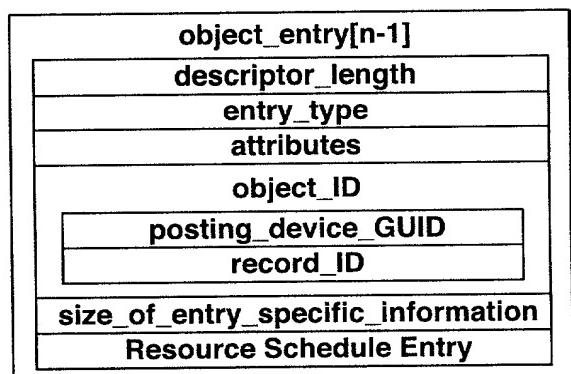
**FIG.4**

Address_offset	Contents
00 <sub>16</sub>	non_info_block_fields_length
01 <sub>16</sub>	
02 <sub>16</sub>	board_type
03 <sub>16</sub>	object_list_maximum_size
04 <sub>16</sub>	
05 <sub>16</sub>	object_entries_maximum_number
06 <sub>16</sub>	
07 <sub>16</sub>	object_entry_maximum_size
08 <sub>16</sub>	
09 <sub>16</sub>	board_type_dependent_information_length
0A <sub>16</sub>	
0B <sub>16</sub>	
0C <sub>16</sub>	board_type_dependent_information
0D <sub>16</sub>	
:	
:	
:	optional info blocks for future expansion

**FIG.5**

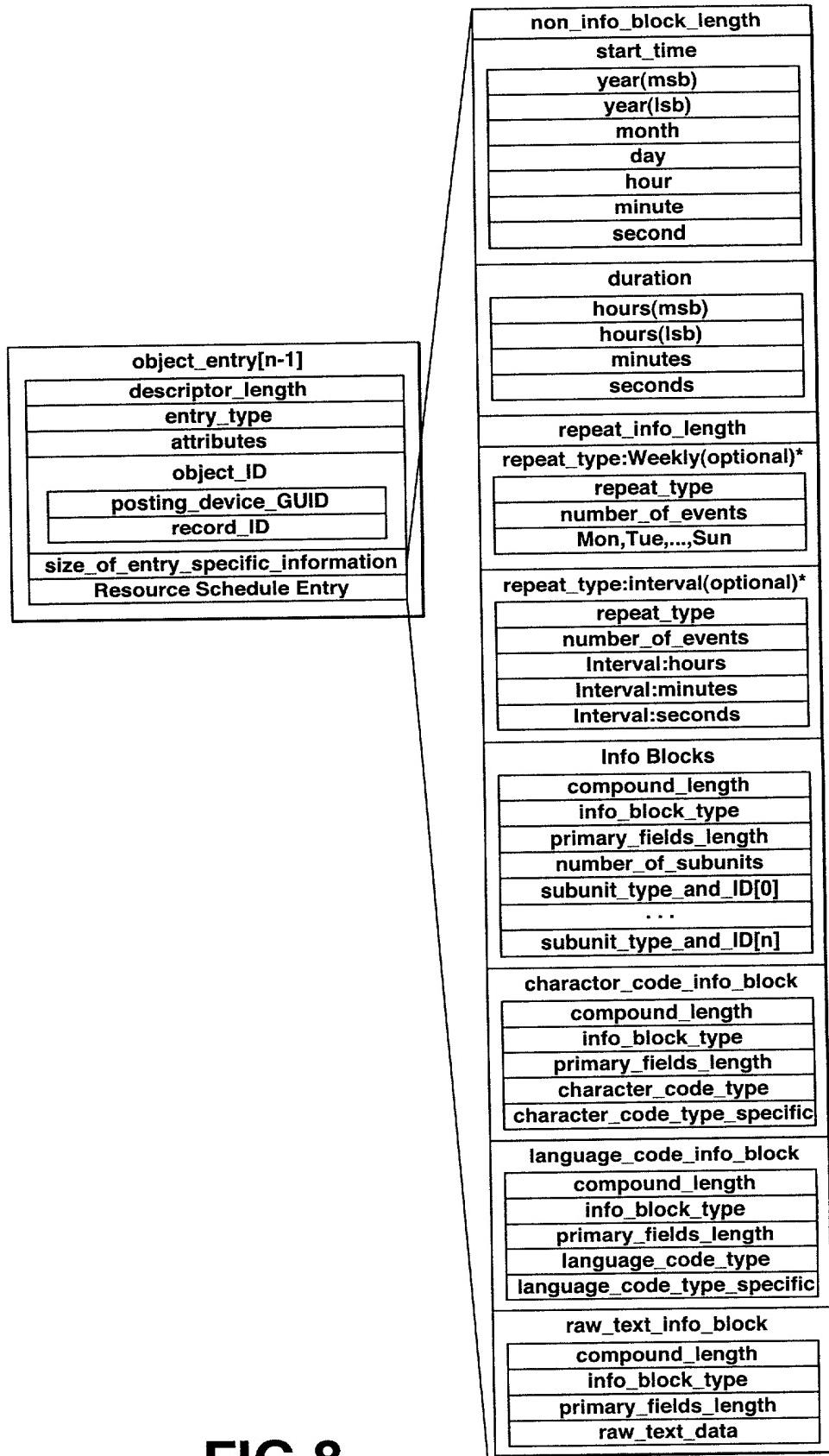
<b>Value</b>	<b>Board type</b>
$00_{16}$	<b>Reserved</b>
$01_{16}$	<b>Resource Schedule Board</b>
$02_{16}\text{-}FF_{16}$	<b>Reserved for future specification</b>

**FIG.6**



**Resource Schedule Entry high level view**

**FIG.7**



**FIG.8**

<b>Address_offset</b>	<b>Contents</b>
$00_{16}$	year(msb)
$01_{16}$	year(lsb)
$02_{16}$	month
$03_{16}$	day
$04_{16}$	hour
$05_{16}$	minute
$06_{16}$	second

**FIG.9**

<b>Address_offset</b>	<b>Contents</b>	
$00_{16}$	Reserved(4 bits)	hours(msb)
$01_{16}$	hours(lsb)	
$02_{16}$	minutes	
$03_{16}$	seconds	

**FIG.10**

Values	definition
$00_{16}$	Weekly schedule
$01_{16}$ - $0F_{16}$	reserved
$10_{16}$	Interval schedule
$0F_{16}$ - $FF_{16}$	reserved

**FIG.11**

address_offset	msb							lsb
	contents							
$0E_{16}$	repeat_type							
$0F_{16}$	number_of_events							
$10_{16}$	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Reserved

**FIG.12**

address_offset	contents
0E <sub>16</sub>	repeat_type
0F <sub>16</sub>	number_of_events
10 <sub>16</sub>	Reserved(4 bits)   Interval:hours(msb)
11 <sub>16</sub>	interval:hours(lsb)
12 <sub>16</sub>	interval:minutes
13 <sub>16</sub>	interval:seconds

**FIG.13**

address_offset	contents
00 <sub>16</sub>	compound_length
01 <sub>16</sub>	
02 <sub>16</sub>	info_block_type
03 <sub>16</sub>	
04 <sub>16</sub>	primary_fields_length
05 <sub>16</sub>	
06 <sub>16</sub>	number_of_subunits
07 <sub>16</sub>	subunit_type_and_ID[0]
:	:

**FIG.14**

character_code_info_block	
Adress_offset	Contents
00 00 <sub>16</sub>	compound_length
00 01 <sub>16</sub>	
00 02 <sub>16</sub>	info_block_type=00 08 <sub>16</sub> (character_code_info_block)
00 03 <sub>16</sub>	
00 04 <sub>16</sub>	primary_fields_length
00 05 <sub>16</sub>	
00 06 <sub>16</sub>	character_code_type
00 07 <sub>16</sub>	
:	character_code_type_specific
:	

**FIG.15**

language_code_info_block	
Adress_offset	Contents
00 00 <sub>16</sub>	compound_length
00 01 <sub>16</sub>	
00 02 <sub>16</sub>	info_block_type=00 09 <sub>16</sub> (language_code_info_block)
00 03 <sub>16</sub>	
00 04 <sub>16</sub>	primary_fields_length
00 05 <sub>16</sub>	
00 06 <sub>16</sub>	language_code_type
00 07 <sub>16</sub>	
:	language_code_type_specific
:	

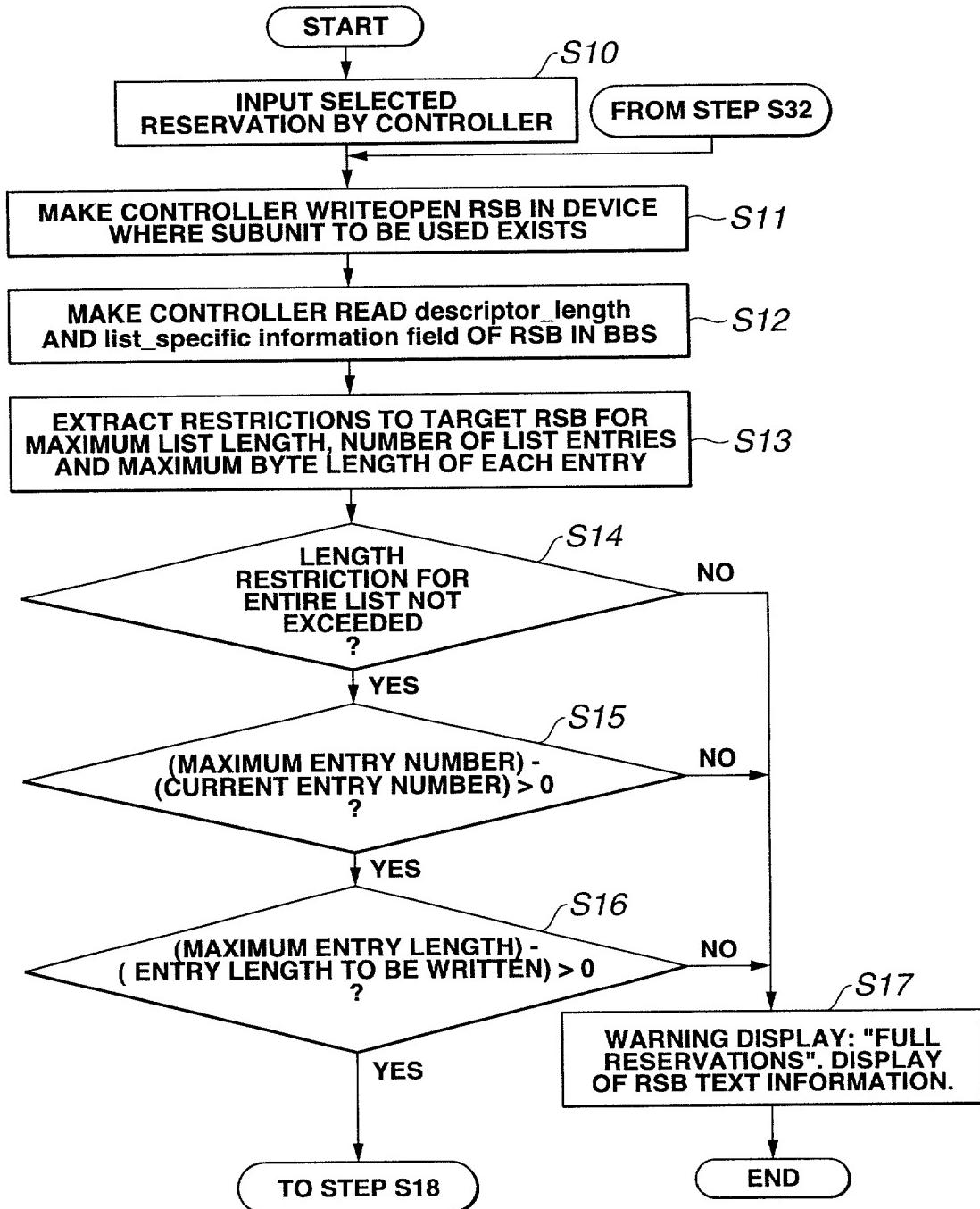
**FIG.16**

raw_text_info_block	
Address_offset	Contents
00 0016	compound_length
00 0116	
00 0216	info_block_type=00 0A <sub>16</sub> (raw_text_info_block)
00 0316	
00 0416	primary_fields_length
00 0516	
00 0616	
:	raw_text_data
:	

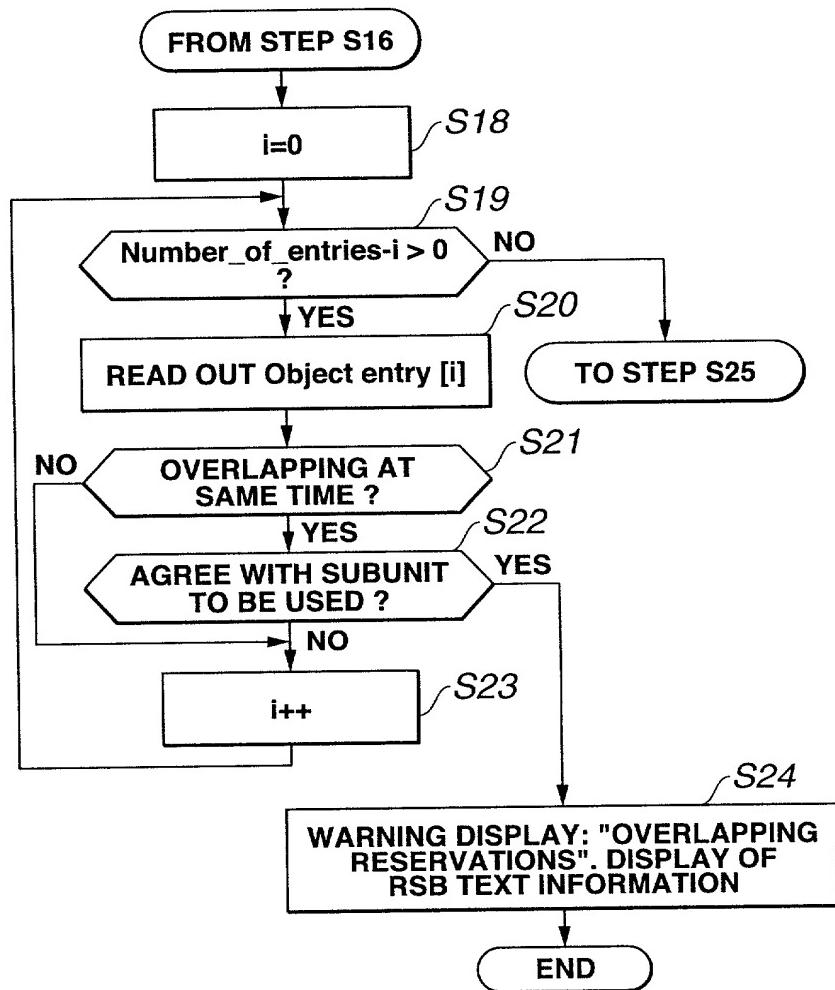
**FIG.17**

raw_text_data
CHANNEL
PROGRAM TITLE (PROGRAM)
CONTROL INFORMATION (REPLAY, RECORDING, STOP, ETC.)
REMARKS (PAY PER VIEW)
PROVIDER
PRELIMINARILY RESERVED

**FIG.18**

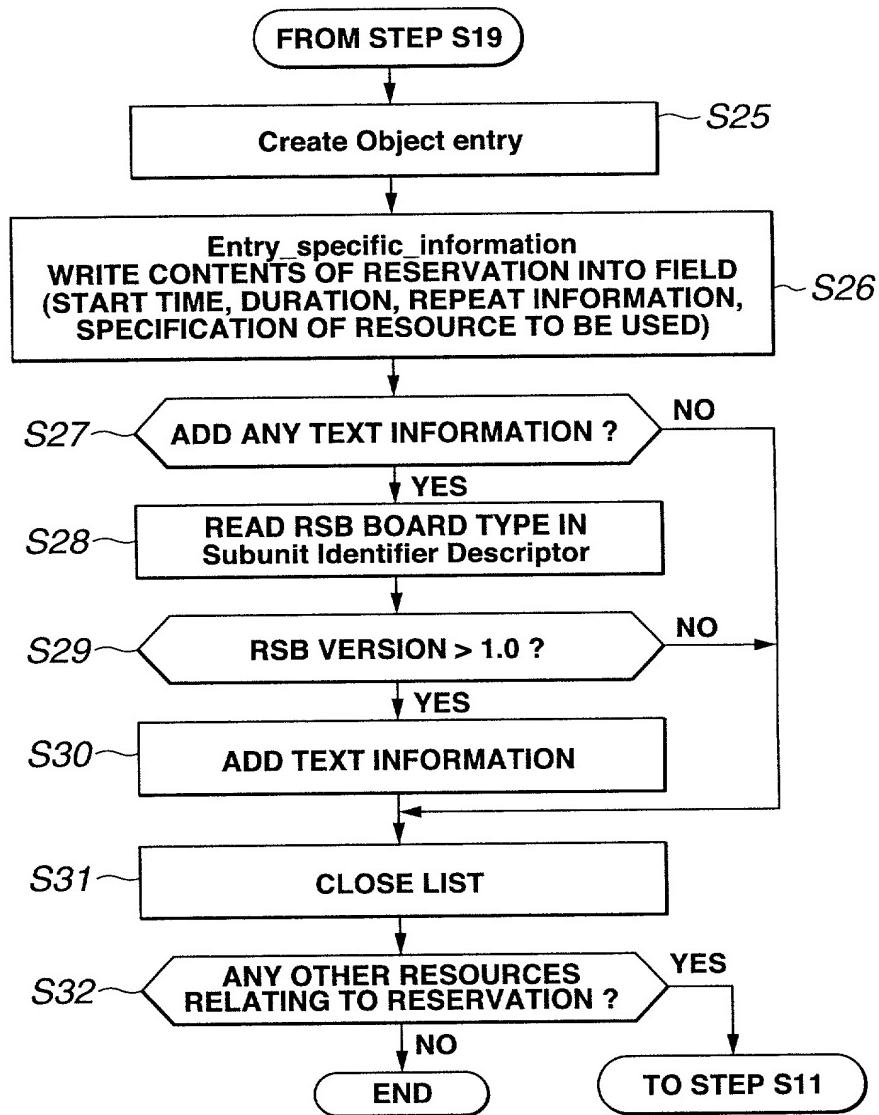


**FIG.19**



**FIG.20**

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**FIG.21**

<b>opcode</b>	<b>OPEN DESCRIPTOR</b>							
<b>operand 0</b>	descriptor_type= $10_{16}$							
<b>operand 1</b>	List ID: $00_{16}$							
<b>operand 2</b>	List ID: $01_{16}$							
<b>operand 3</b>	subfunction WRITE OPEN $03_{16}$							
<b>operand 4</b>	reserved $00_{16}$							

## FIG.22

	msb							lsb
<b>opcode</b>	<b>READ DESCRIPTOR (<math>09_{16}</math>)</b>							
<b>operand 0</b>	descriptor identifier							
<b>operand 1</b>	:							
:	:							
:	read_result_status							
:	reserved : $00_{16}$							
:	data_length							
:	address							

## FIG.23

	msb						lsb
opcode	CREATE DESCRIPTOR (00 <sub>16</sub> )						
operand 0	result						
operand 1	subfunction_1						
operand 2	reserved						
operand 3	subfunction_1_specification						
:							
:							

**FIG.24**

values of subfunction_1	meaning
00 <sub>16</sub>	create a new descriptor
01 <sub>16</sub>	create a new object and its child list
all other values	reserved for future specification

**FIG.25**

subfunction_1_specification for subfunction_1=01 <sub>16</sub>	
msb	lsb
operand 3	
:	descriptor_identifier_where
:	
:	
:	
:	descriptor_identifier_what_1
:	
:	
:	
:	descriptor_identifier_what_2
:	

FIG.26

descriptor_type_of_descriptor_identifier_where	descriptor_type_of_descriptor_identifier_what_1	descriptor_type_of_descriptor_identifier_what_2	meaning
2016	2216	1116	Create an object and its child list. create the new object and place it in the location specified by where, the entry_type is specified by what_1. Also create the new list as the child of the new object. The list_type is specified by what_2.
			reserved for future specification all other values

FIG.27

opcode	WRITE DESCRIPTOR (OA <sub>16</sub> )
operand 0	descriptor identifier
:	subfunction:partial_replace(50 <sub>16</sub> )
:	group_tag:immediate(00 <sub>16</sub> )
:	replacement_data_length
:	address
:	original_data_length
:	replacement_data

**FIG.28**

descriptor_length
generation_ID
size_of_list_ID
size_of_object_ID
size_of_object_position
number_of_root_object_lists(n)
root_object_list_id_0
...
root_object_list_id_n-1
subunit_dependent_information_length
subunit_dependent_information
non_info_block_fields_length
bulletin_board_subunit_version
number_of_supported_board_types(n)
supported_board_type_specific_info_length[0]
supported_board_type_specific_info[0]
supported_board_type
supported_board_type_version
implementation_profile_ID
supported_board_type_dependent_info_length
supported_board_type_dependent_info
...
supported_board_type_specific_info_length[n-1]
supported_board_type_specific_info[n-1]
supported_board_type
supported_board_type_version
implementation_profile_ID
supported_board_type_dependent_info_length
supported_board_type_dependent_info
optional blocks for future expansion
manufacturer_dependent_length
manufacturer_dependent_information

**FIG.29**

Value	List definition
$1001_{16}$	<b>Resource Schedule List</b>
$1002\text{-}10FF_{16}$	<b>reserved</b>

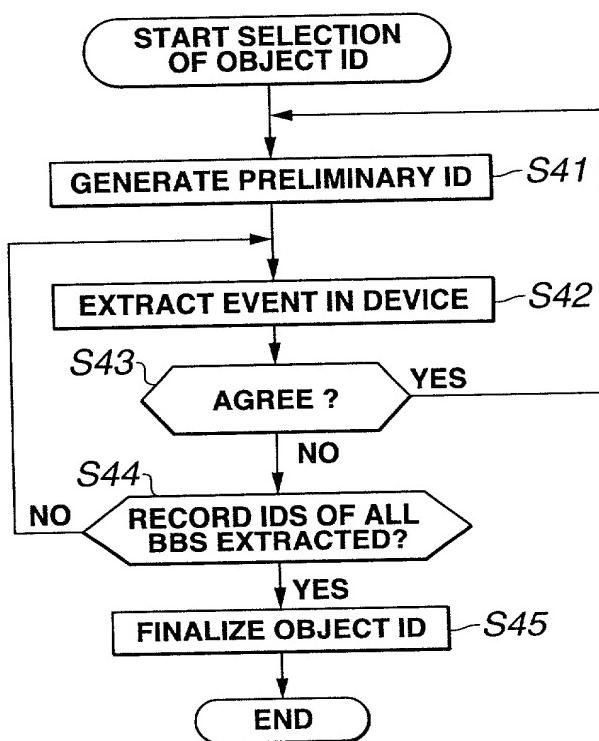
**FIG.30**

Address_offset	Contents
00 <sub>16</sub>	supported_board_type
01 <sub>16</sub>	supported_board_type_version
02 <sub>16</sub>	implementation_profile_ID
03 <sub>16</sub>	supported_board_type_dependent_information_length
04 <sub>16</sub>	
05 <sub>16</sub>	
:	
:	supported_board_type_dependent_information

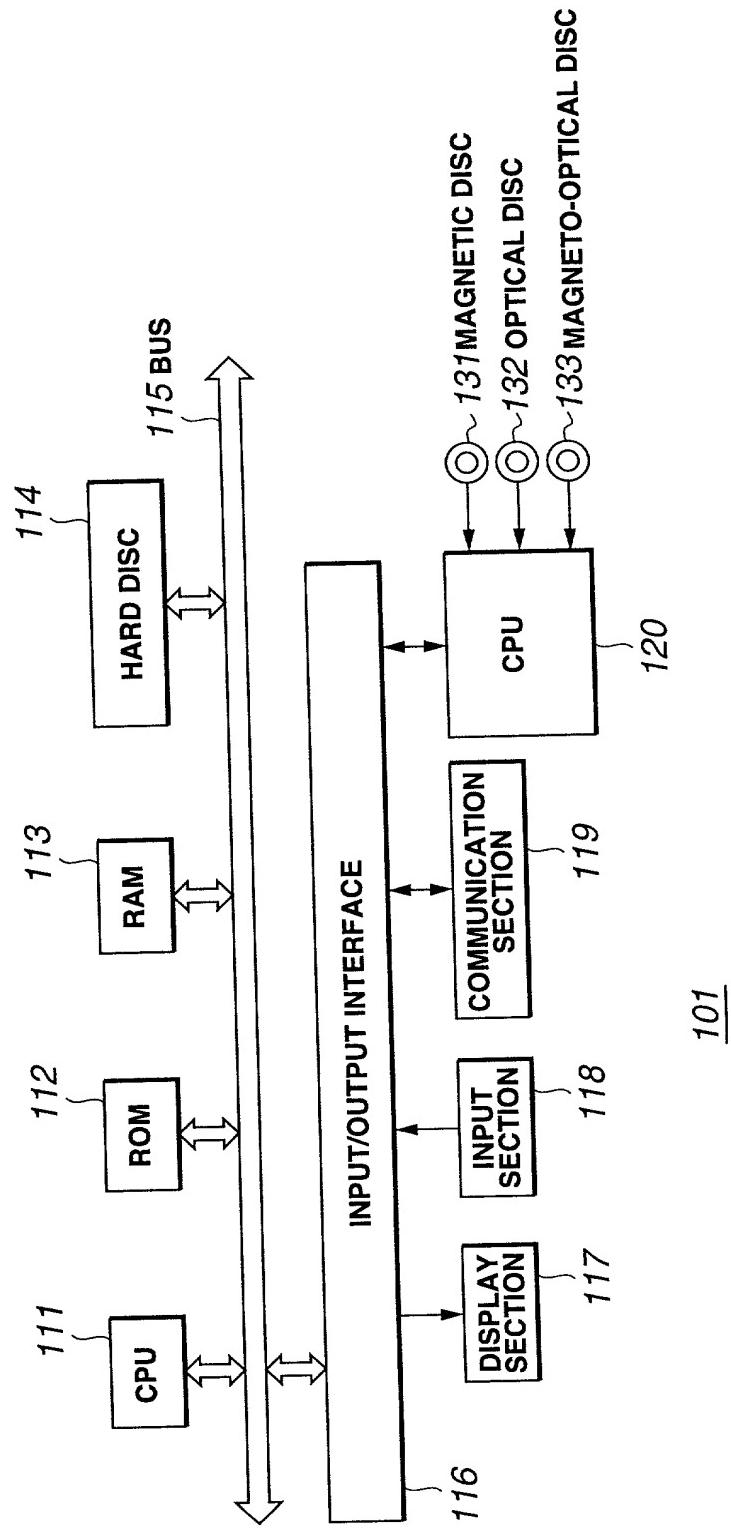
**FIG.31**

<b>opcode</b>	<b>OPEN DESCRIPTOR</b>
<b>operand 0</b>	<b>descriptor_type=10<sub>16</sub></b>
<b>operand 1</b>	<b>List ID:00<sub>16</sub></b>
<b>operand 2</b>	<b>List ID:01<sub>16</sub></b>
<b>operand 3</b>	<b>subfunction CLOSE 00<sub>16</sub></b>
<b>operand 4</b>	<b>reserved 00<sub>16</sub></b>

**FIG.32**



**FIG.33**



**FIG.34**